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FILE LAST UPDATED: 19 Aug 2001 (20010819/ED)

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L1 3 SEA FILE=REGISTRY SYIVLCIE/SQSP NOT NSFMTSFSK/SQSP
L2 4 SEA FILE=HCAPLUS L1

=> d ibib abs hitrn l2 1-4

L2 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:814324 HCAPLUS

DOCUMENT NUMBER: 134:505

TITLE: Antiangiogenic endostatin peptides, endostatin variants and methods of use

INVENTOR(S): Vuori, Kristiina

PATENT ASSIGNEE(S): The Burnham Institute, USA

SOURCE: PCT Int. Appl., 146 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000067771	A1	20001116	WO 2000-US12063	20000502
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FI, GB,				

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GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
 KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
 NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT,
 TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 1999-132907 P 19990506

US 1999-353333 A2 19990714

AB The invention provides an endostatin peptide having at least 4-7
 endostatin amino acid residues contg. substantially the amino acid
 sequence of RLQD, RAD, DGK/R, or a functional equiv. thereof. The
 invention also provides an endostatin variant contg. the amino acid
 sequence RGD, or a functional fragment thereof. Methods of inhibiting
 angiogenesis are also provided.

IT 307924-80-7

RL: BOC (Biological occurrence); PRP (Properties); BIOL (Biological
 study); OCCU (Occurrence)

(antiangiogenic endostatin peptides, endostatin variants and methods of
 use)

REFERENCE COUNT:

7

REFERENCE(S):

- (1) Brooks; US 5753230 A 1998 HCAPLUS
- (2) Koivunen, E; Journal of Biological Chemistry 1993,
 V268(27), P20205 HCAPLUS
- (3) La Jolla Cancer Research Foundation; WO 9514714 A1
 1995 HCAPLUS
- (4) Nutt; US 5061693 A 1991 HCAPLUS
- (5) Oh, S; Proc Natl Acad Sci USA 1994, V91, P4229
 HCAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:434233 HCAPLUS

DOCUMENT NUMBER: 133:79332

TITLE: Carrier-DNA complexes containing DNA encoding
 anti-angiogenic peptides and their use in gene therapy

INVENTOR(S): Mixson, A. James

PATENT ASSIGNEE(S): USA

SOURCE: U.S., 30 pp., Cont.-in-part of U.S. 5,815,216.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6080728	A	20000627	US 1997-985526	19971205
EP 819758	A2	19980121	EP 1997-112154	19970716
EP 819758	A3	19980204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 921193	A1	19990609	EP 1998-100135	19980107

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

JP 11187886 A2 19990713

JP 1998-201996 19980716

PRIORITY APPLN. INFO.:

US 1996-680845 A2 19960716

EP 1997-112154 A 19970716

US 1997-985526 A 19971205

AB Carrier complexes comprising DNA encoding an anti-angiogenic gene or peptide and optionally a further DNA encoding a tumor suppressor protein are described. When administered to a subject bearing a tumor, the complexes can inhibit growth of the tumor.

IT 226938-38-1, Endostatin (human fragment)

RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(amino acid sequence; carrier-DNA complexes contg. DNA encoding anti-angiogenic peptides and their use in gene therapy)

REFERENCE COUNT: 40

REFERENCE(S):

(1) Anon; EP 0443404 A1 1991 HCAPLUS

(2) Anon; WO 9202240 1992 HCAPLUS

(3) Anon; WO 9316716 1993 HCAPLUS

(4) Anon; WO 9316718 1993 HCAPLUS

(5) Anon; WO 9529242 1995 HCAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:62891 HCAPLUS

DOCUMENT NUMBER: 132:103744

TITLE: Cloning of cDNA for human endostatin and use for inhibition of angiogenesis

INVENTOR(S): Xu, Genxing; Ren, Mindong; Xu, Lin

PATENT ASSIGNEE(S): Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 6 pp.

CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1177005	A	19980325	CN 1997-107112	19970910
CN 1060521	B	20010110		

AB Described is a method of cloning the cDNA for human liver endostatin by PCR using a pair of primers derived from the cDNA encoding human collagen type XVIII (1503-2055 cDNA fragment). Endostatin is useful for the treatment of tumors by inhibiting angiogenesis.

IT 255811-03-1

RL: PRP (Properties)

(unclaimed sequence; cloning of cDNA for human endostatin and use for inhibition of angiogenesis)

L2 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1999:375339 HCAPLUS

DOCUMENT NUMBER: 131:28626

TITLE: Delivery of anti-angiogenic genes to a tumor in vivo

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and their use in gene therapy
 INVENTOR(S): Mixson, Archibald James
 PATENT ASSIGNEE(S): USA
 SOURCE: Eur. Pat. Appl., 46 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 921193	A1	19990609	EP 1998-100135	19980107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6080728	A	20000627	US 1997-985526	19971205
PRIORITY APPLN. INFO.: US 1997-985526 A 19971205				
US 1996-680845 A2 19960716				
EP 1997-112154 A 19970716				

AB The invention relates to the delivery of anti-angiogenic genes or DNA encoding anti-angiogenic peptides to a tumor in vivo, preferably by injection, and expression of the DNA in order to inhibit tumoral growth. Provided are carrier:DNA complexes which comprise cationic polymers or cationic liposomes and DNA encoding at least one anti-angiogenic protein/peptide, optionally together with further DNA encoding a tumor suppressor protein, esp. p53. When administered to a subject bearing a tumor, the complexes can inhibit growth of the tumor.

IT **226938-38-1P**, Endostatin (human fragment)
 RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (amino acid sequence; delivery of anti-angiogenic genes to a tumor in vivo and their use in gene therapy)

REFERENCE COUNT: 6

REFERENCE(S):

- (1) Chiron Viagene Inc; WO 9621416 A 1996 HCAPLUS
- (2) Lesoon-Wood, L; Human Gene Therapy 1995, V6(4), P395 HCAPLUS
- (3) Mixson, A; EP 0819758 A 1998 HCAPLUS
- (4) The Children's Medical Center Corporation; WO 9529242 A 1995 HCAPLUS
- (5) Weinstat-Saslow, D; Cancer Research 1994, V54, P6504 HCAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'REGISTRY' ENTERED AT 16:41:24 ON 20 AUG 2001

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STRUCTURE FILE UPDATES: 19 AUG 2001 HIGHEST RN 351975-45-6

DICTIONARY FILE UPDATES: 19 AUG 2001 HIGHEST RN 351975-45-6

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TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

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L1 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2001 ACS

RN 307924-80-7 REGISTRY

CN L-Methionine, L-.alpha.-glutamyl-L-seryl-L-tyrosyl-L-cysteinyl-L-.alpha.-glutamyl-L-threonyl-L-tryptophyl-L-arginyl-L-threonyl-L-.alpha.-glutamyl-L-threonyl-L-threonylglycyl-L-alanyl-L-threonylglycyl-L-glutaminy-L-alanyl-L-seryl-L-seryl-L-leucyl-L-leucyl-L-serylglycyl-L-arginyl-L-leucyl-L-leucyl-L-.alpha.-glutamyl-L-glutaminy-L-lysyl-L-alanyl-L-alanyl-L-seryl-L-cysteinyl-L-histidyl-L-asparaginy-L-seryl-L-tyrosyl-L-isoleucyl-L-valyl-L-leucyl-L-cysteinyl-L-isoleucyl-L-.alpha.-glutamyl-L-asparaginy-L-seryl-L-phenylalanyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 11: PN: W00067771 SEQID: 21 claimed protein

LC STN Files: CA, CAPLUS, TOXLIT

SQL 48

SEQ 1 ESYCETWRTE TTGATGQASS LLSGRLLLEQK AASCHNSYIV LCIENSFM

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HITS AT: 37-44

REFERENCE 1: 134:505

L1 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2001 ACS

RN 255811-03-1 REGISTRY

CN 4: PN: CN1177005 PAGE: 4 unclaimed sequence (9CI) (CA INDEX NAME)

LC STN Files: CA, CAPLUS, TOXLIT

NTE

type	location	description
uncommon	Aaa-181	-

SQL 181

SEQ 151 SLLSGRLLLEQ KAASCHNSYI VLCIENSFMT X

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HITS AT: 168-175

REFERENCE 1: 132:103744

L1 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2001 ACS

RN 226938-38-1 REGISTRY

CN Endostatin (human fragment) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 31: PN: US6080728 SEQID: 36 claimed protein

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CN Endostatin (synthetic 185-amino acid fragment)
LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL
SQL 185

SEQ 151 SSLLSGRLLLE QRAASCHDSY IVLCIENSEFM TSFSR
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HITS AT: 169-176

REFERENCE 1: 133:79332

REFERENCE 2: 131:28626